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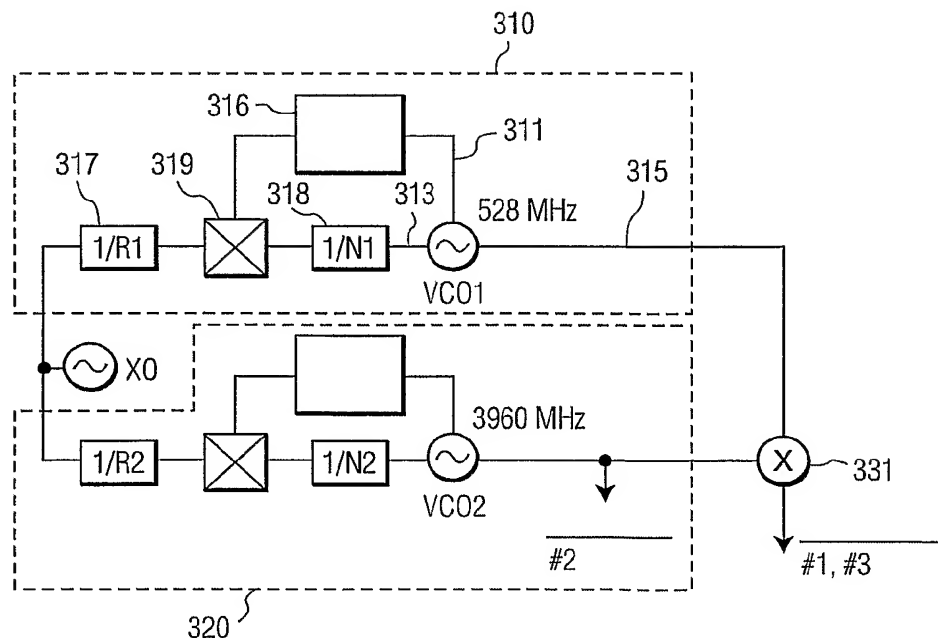
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(54) Title: FREQUENCY GENERATION FOR A MULTI-BAND OFDM BASED ULTRA WIDE-BAND RADIO



(57) Abstract: The present invention, generally speaking, provides for generation of at least three local oscillator signals for receiving a communication signal occupying corresponding sub-bands of a frequency band using one or more frequency synthesizers (e.g., PLLs or the like) and one or more single sideband mixers. In accordance with certain embodiments, only one single sideband mixer is encountered along the output path of a given local oscillator signal, thereby reducing spurs. In accordance with certain other embodiments, three local oscillator signals are generated continuously.

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**Declarations under Rule 4.17:**

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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

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